

# BYRON HARRISON

## PARTNER



### Qualifications

BS in Engineering, Acoustics & Music (summa cum laude)  
University of Hartford, USA

### Professional Associations

LEED Accredited Professional  
(US Green Building Council)

Acoustical Society of America,  
First Honors, ASA

Student Design Competition,  
2001

### Publications

'Concerts Hall at a  
Crossroads?' Introduction  
to Theatres & Concert Halls  
issue, Mondo\*dr magazine,  
August 2011

'Specifications for Acoustic  
Performance' - Construction  
Specifier magazine, 2008

### Teaching

Guest lectures at PLASA,  
University of Hartford,  
Liverpool Institute of  
Performing Arts, Illinois

Institute of Art, Columbia  
College, University of  
Nebraska, Judson College

### Conference Paper

'Using indoor room criteria  
when the 'room' is outside'  
- 157th Meeting of the  
Acoustical Society of America,  
2009

'Computer modelling and  
prediction in the design  
of coupled volumes for a  
1000-seat concert hall at  
Goshen College, Indiana'  
(with Gary Madaras & Robert  
Celmer) - 141st Meeting of the  
Acoustical Society of America,  
2001

'An experiment in the use of  
resilient materials in orchestra  
riser design' (with Ian Hoffman  
and Richard Talaske) - 141st  
Meeting of the Acoustical  
Society of America, 2001

### Main Responsibilities

To provide consultancy in auditorium and theatre design, specialising in room acoustics, sound separation, and noise and vibration design.

### Experience

Byron Harrison premiered the acoustics practice at Charcoalblue as a solo practitioner in 2010. Under his design direction and leadership, the firm now has seven full-time acousticians along with three team members who contribute to acoustic design and audio/video design. He was welcomed in the Charcoalblue partnership in 2017.

Byron is a specialist in the technical coordination and delivery of complex schemes for performing arts buildings. He has experience in the detailed analysis and detailing of sound separation between critical spaces, including coordination with building structures to achieve cost-effective and buildable solutions to acoustic challenges. He has delivered many schemes with low-background noise due to building systems, demanding accurate prediction of noise levels to meeting design criteria efficiently and without over-design.

For Charcoalblue, he has completed projects in three countries, including St Ann's Warehouse, Brooklyn, and the theatre and chamber opera venue at Chateau d'Hardelot in France, and the refurbishment of York Theatre Royal in the UK. He has projects for Chicago Shakespeare Theatre, Bristol Old Vic, and Brighton Dome currently on site. Currently, he is working designs for the projects with Steppenwolf Theatre, Chicago; Sydney Theatre Company, and the Waikato Regional Theatre, New Zealand.

Byron was recently appointed as Acoustics Advisor to St Paul's Cathedral, London.

Byron began his career with Talaske | Sound Thinking, he was integral to the delivery of major projects, including the 1,100-seat concert hall at Goshen College and the Jay Pritzker Music Pavilions for the Grant Park Music Festival Orchestra and Chorus. Byron developed and delivered the design concept for a new orchestra shell for the 1 de Jong Concert Hall at Brigham Young University in Provo, Utah, and was the lead acoustician for the Walgreen Drama Center for the School of Music, Theatre, and Dance at the University of Michigan.

Byron is an orchestral trombonist, playing with London-based ensembles.

### Consultancy Work

Theatre Royal York Refurbishment, UK; Bristol Old Vic Anniversary Works, UK; Pratt Institute Film/Video Department, Brooklyn New York, US; Steppenwolf Theatre Company, Chicago, Illinois, US; Chicago Shakespeare Theatre, The Yard, Illinois US; St Ann's Warehouse, Tobacco Warehouse, Brooklyn, New York, US; The Great Hall, The Leys School, Cambridge, UK; St. Paul's School Drama Centre, Barnes, UK; Theatre Elisabethain Chateau d'Hardelot, France;

### Previous Consultancy Work

Mead Centre for American Theater at Arena Stage, Washington; Charles R Walgreen Jr Drama Center, University of Michigan; Jay Pritzker Pavilion, Millennium Park, Chicago; Presser Hall, Berea College, Kentucky; Hartford Stage Company Renovation & Expansion, Hartford, Connecticut; Charles De Jong Concert Hall Orchestra Shell, Brigham Young University, Provo, Utah; American Players Theater, Touchstone Theater, Spring Green, Wisconsin.

### Contact details

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